

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2167553
<b>Application Number:</b>	10698501
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9608
<b>Title of Invention:</b>	Heating MRAM cells to ease state switching
<b>First Named Inventor/Applicant Name:</b>	Heon Lee
<b>Customer Number:</b>	20792
<b>Filer:</b>	Robert N. Crouse/Evelyn Casey
<b>Filer Authorized By:</b>	Robert N. Crouse
<b>Attorney Docket Number:</b>	5649-2226
<b>Receipt Date:</b>	06-SEP-2007
<b>Filing Date:</b>	31-OCT-2003
<b>Time Stamp:</b>	18:48:52
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	3050
Deposit Account	500220
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17	

### File Listing:

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Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Fee Worksheet (PTO-06)	fee-info.pdf	8159	no	2
			ef9811ead669a5507a11897ad131f9f7d ba1a8d1		

**Warnings:**

**Information:**

<b>Total Files Size (in bytes):</b>	8159
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.